



SEQUENCE LISTING

<110> Sakowicz, Roman
Goldstein, Lawrence

<120> Identification and Expression of Novel Kinesin Motor Protein

<130> UCSD-04871

<140> 09/724,586

<141> 2000-11-28

<160> 9

<170> PatentIn version 3.2

<210> 1

<211> 784

<212> PRT

<213> Thermomyces lanuginosus

<220>

<221> MISC FEATURE

<223> TL-gamma ATP-dependent plus end-directed microtubule motor protein

<220>

<221> DOMAIN

<222> (1)..(357)

<223> kinesin-like microtubule motor domain

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<221> DOMAIN

<222> (358)..(442)

<223> neck domain links motor domain to stalk domain

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<223> tail domain

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35 40 45

Arg Lys Ser Gly Lys Thr Ile Met Asp Gly Pro Lys Ala Phe Ala Phe
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Asp Arg Ser Tyr Trp Ser Phe Asp Lys Asn Ala Pro Asn Tyr Ala Arg
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Gln Glu Asp Leu Phe Gln Asp Leu Gly Val Pro Leu Leu Asp Asn Ala
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Phe Lys Gly Tyr Asn Asn Cys Ile Phe Ala Tyr Gly Gln Thr Gly Ser
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Gly Lys Ser Tyr Ser Met Met Gly Tyr Gly Lys Glu His Gly Val Ile
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Pro Arg Ile Cys Gln Asp Met Phe Arg Arg Ile Asn Glu Leu Gln Lys
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Asp Lys Asn Leu Thr Cys Thr Val Glu Val Ser Tyr Leu Glu Ile Tyr
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195 200 205

Gly Asn Lys Ala Arg Thr Val Ala Ala Thr Asn Met Asn Glu Thr Ser
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Ser Arg Ser His Ala Val Phe Thr Leu Thr Leu Thr Gln Lys Trp His
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